

1

00:00:00,000 --> 00:00:02,000

Remember don't try this at home

2

00:00:30,000 --> 00:00:32,000

You want the cliff road closure?

3

00:00:39,320 --> 00:00:45,680

No mess with the hindrance. You can actually drive a Mustang up a Corvette hood and use it like ramp

4

00:00:45,680 --> 00:00:47,680

Oh

5

00:00:58,320 --> 00:01:00,320

This is terrifying

6

00:01:16,560 --> 00:01:18,560

Who are the myth busters

7

00:01:19,520 --> 00:01:21,520

Adam Savage

8

00:01:22,560 --> 00:01:26,160

And Jamie Heineman, it's very hard on a car if you do that

9

00:01:26,720 --> 00:01:30,880

between them more than 30 years of special effects experience

10

00:01:31,640 --> 00:01:36,040

Together with Brad Himahara. This is totally crazy. Carrie Byron

11

00:01:36,600 --> 00:01:43,080

Time to wreck this car and Tori Bellatio. There's something you don't see every day. They don't just tell them this

12

00:01:43,080 --> 00:01:46,280

Oh, they put them to the test

13

00:01:52,360 --> 00:01:55,000

All right, sir, I want to paint a scenario for you

14

00:01:55,400 --> 00:02:02,840

Okay picture in your mind's eye a winding mountain road cliffs on both sides deadly ravines below

15

00:02:03,520 --> 00:02:08,320

I'm there now picture two cars driving on that road side by side each

16

00:02:08,520 --> 00:02:13,000

Attempting to knock the other off out into the abyss go on now

17

00:02:13,040 --> 00:02:19,480

Hollywood would have us believe that such a contest is an extended one that it is in fact very difficult to knock someone off a road

18

00:02:19,480 --> 00:02:26,240

When they don't want to be but we want to find out how difficult it actually is exactly time to get our neck braces

19

00:02:27,360 --> 00:02:32,520

neck braces and at the Alameda Naval Base plenty of wide open crash

20

00:02:32,840 --> 00:02:34,520

tastic space

21

00:02:34,560 --> 00:02:39,800

Now the myth is that if you want to run someone off the road with your car while they're in a car

22

00:02:39,800 --> 00:02:45,880

It's really difficult to do attention myth Buster waters. It's time to lay out our course

23

00:02:46,360 --> 00:02:52,960

At least that is what generations of Hollywood movies have led us to believe that it involves lots of crashing and resistance

24

00:02:52,960 --> 00:02:54,960

And it is a non-trivial maneuver

25

00:02:56,760 --> 00:03:01,480

But just how hard is it is the question we aim to answer today an answer

26

00:03:01,480 --> 00:03:10,160

They'll find by hitting their one-mile red-con road and then each other until one of them goes over the edge of the imaginary abyss

27

00:03:18,080 --> 00:03:20,240

This is gonna be fun. I'm ready

28

00:03:21,480 --> 00:03:25,120

The hardest part is gonna be not letting it escalate running each other up

29

00:03:26,280 --> 00:03:28,280

This is like

30

00:03:28,320 --> 00:03:31,920

In close fighting it's gonna be scrappy

31

00:03:39,560 --> 00:03:41,560

Despite the feisty prediction

32

00:03:42,640 --> 00:03:48,320

The first few fender benders are more driving this daisy than a crazy all-in-broad

33

00:03:49,960 --> 00:03:52,920

But after they suss each other out and go for it

34

00:03:55,760 --> 00:03:57,760

Adam is immediately down and out

35

00:03:59,120 --> 00:04:01,120

I

36

00:04:04,000 --> 00:04:07,880

Pushing on these cars, it's actually kind of like sumo wrestling for cars

37

00:04:11,480 --> 00:04:17,200

Which is a fun idea now that I think about it, but anyway just like with sumo wrestling

38

00:04:17,520 --> 00:04:22,840

you're trying to use your mass to place it correctly to dominate your opponent and

39

00:04:23,680 --> 00:04:29,320

Even a few inches one way or another can dramatically affect the outcome

40

00:04:29,600 --> 00:04:31,600

So the myth is in the balance

41

00:04:31,720 --> 00:04:36,520

There was some Hollywood style pushing and shoving but as soon as it got serious

42

00:04:38,720 --> 00:04:41,720

Adam went down with a mad case of gravity

43

00:04:42,520 --> 00:04:45,040

That was the hell of a bag he gave me that was fun

44

00:04:47,120 --> 00:04:51,920

Let's do it again. Okay, three two one go

45

00:04:52,840 --> 00:04:54,840

More data round two

46

00:04:57,560 --> 00:04:59,560

I'm gonna run you off at the cliff man

47

00:04:59,800 --> 00:05:01,800

Oh

48

00:05:17,600 --> 00:05:22,680

Both cars and even both drivers are well matched and the fact that

49

00:05:23,000 --> 00:05:28,360

In a couple of runs one of us has been able to push the other off the road quite nicely

50

00:05:29,640 --> 00:05:34,160

It's not looking so good for the myth. It's not but at one win each

51

00:05:35,320 --> 00:05:38,760

There's more than data at stake on the deciding test

52

00:05:39,480 --> 00:05:42,280

Who will be crowned king of the cone road?

53

00:05:54,520 --> 00:05:56,520

I'm gonna throw you off here

54

00:06:00,440 --> 00:06:02,440

Oh

55

00:06:04,040 --> 00:06:06,040

That is hilarious

56

00:06:06,600 --> 00:06:11,240

Well, just like in the movies. This is an actual cliffhanger. I'm hanging up the edge of the cliff

57

00:06:11,240 --> 00:06:13,800

But I'm not dead, so we're gonna go again from right here

58

00:06:15,160 --> 00:06:17,160

Go

59

00:06:20,080 --> 00:06:22,080

Yeah

60

00:06:30,280 --> 00:06:32,280

Oh

61

00:06:37,640 --> 00:06:39,640

Not for long

62

00:06:43,800 --> 00:06:45,800

I think I died

63

00:06:47,240 --> 00:06:53,160

So far not so good for the myth almost every contact led to a quick cliff top drop

64

00:06:54,280 --> 00:06:56,760

The exact opposite of film folklore

65

00:06:56,920 --> 00:06:58,920

Hey, yeah, baby

66

00:07:01,400 --> 00:07:07,800

No mess with the hindman but there are questions still to be answered does size really matter

67

00:07:13,800 --> 00:07:18,040

All right, so you guys remember the movie wanted right that's the one where we got the curving a bullet myth from

68

00:07:19,160 --> 00:07:20,440

Exactly

69

00:07:20,440 --> 00:07:24,200

We're gonna test another scene where James McAvoy is speeding down the street in his Mustang

70

00:07:24,280 --> 00:07:26,280

Now he needs to shoot a guy

71

00:07:27,000 --> 00:07:33,480

But unfortunately all the windows are bulletproof. What does he do? Well, Angelina Jolie shows up in a corvette

72

00:07:33,480 --> 00:07:35,480

He's gonna use her as a ramp

73

00:07:36,200 --> 00:07:38,200

She puts on the brakes

74

00:07:38,200 --> 00:07:40,200

He accelerates

75

00:07:40,200 --> 00:07:42,200

There's a barrel roll over the limousine

76

00:07:43,080 --> 00:07:45,080

I'm sorry

77

00:07:45,640 --> 00:07:51,640

Shoots in through the sunroof. He lands on his wheels, drives away. She drives away. Everybody's safe except for the guy in the limit

78

00:07:51,640 --> 00:07:53,640

This is gonna be fun

79

00:07:54,440 --> 00:08:07,640

We're out here at the Alameda County Sheriff's Department, but before we start crashing cars, we've got to collect some data

80

00:08:10,360 --> 00:08:14,680

So the data we need is to find out what happens when these two vehicles meet head to head

81

00:08:16,040 --> 00:08:21,800

So what we need to do is measure the distance from each of the bumpers to the ground at the moment of the car jump

82

00:08:22,040 --> 00:08:28,680

Now there we go. That looks great. So what we're gonna do first is take the ramp vehicle. Good luck. Break hard

83

00:08:30,200 --> 00:08:32,200

Get it up to speed and then slam on the brakes

84

00:08:32,760 --> 00:08:37,480

We measure how far it gets off the ground 30 40

85

00:08:40,600 --> 00:08:43,640

Nice cool you guys want me to do it again for more data

86

00:08:43,640 --> 00:08:45,640

I

87

00:08:51,560 --> 00:08:53,560

Think she's enjoying that a little too much

88

00:08:57,880 --> 00:08:59,880

All right, so now she's hitting the brakes

89

00:09:00,440 --> 00:09:03,160

Look at that. It's dropping. That's crazy

90

00:09:03,960 --> 00:09:08,280

Three inches out. Yeah, three inches isn't much, but I mean that's all we got to work with

91

00:09:08,920 --> 00:09:17,240

Despite Carrie's dramatic deceleration the Corvette's hood has hardly dropped meaning its role as a ramp is seriously suspect

92

00:09:17,800 --> 00:09:19,800

But it's onwards and upwards

93

00:09:22,440 --> 00:09:29,240

So next is our muscle car now this thing is going to have to raise up several inches in order to clear the Corvette

94

00:09:30,040 --> 00:09:35,080

All right, we're set. Okay, Carrie go ahead. Once again, Carrie guns it

95

00:09:38,280 --> 00:09:43,240

But this time when she scales the scale she hits not the brake, but the gas

96

00:09:49,400 --> 00:09:52,360

That was it that's the money shot dude. That was perfect

97

00:09:53,400 --> 00:09:58,040

This is where the bumper starts now. This is what she's coming through and then she accelerates

98

00:09:58,600 --> 00:10:03,720

It's pretty amazing. Look at how high it's rising. I mean that's easily three to four inches

99

00:10:04,440 --> 00:10:10,760

Question is after the guys fix the height difference by modifying both cars will it be enough to get lift off?

100

00:10:18,120 --> 00:10:20,680

So let's recap where we are. Let's tear up people

101

00:10:24,920 --> 00:10:29,160

Hollywood has led us all to believe that if you're in a car and you want to run someone off the road

102

00:10:30,840 --> 00:10:32,840

It can be quite a difficult contest

103

00:10:34,360 --> 00:10:36,360

Oh

104

00:10:36,680 --> 00:10:38,840

But frankly so far

105

00:10:41,800 --> 00:10:48,040

We haven't quite found that I think I died don't mess with the hindman, but we're not done testing

106

00:10:48,520 --> 00:10:51,960

Yep, up next jaymie gets to play the heavyweight bad guy

107

00:10:55,480 --> 00:10:57,320

I got a new rig

108

00:10:57,320 --> 00:11:00,280

In hollywood mismatch car duels drag on

109

00:11:00,760 --> 00:11:05,640

But doesn't the difference in mass mean the little guy is on the fast track to oblivion

110

00:11:06,600 --> 00:11:10,680

Adams car weighs about 5 000 pounds. All right start your engine

111

00:11:12,520 --> 00:11:15,480

That SUV weighs 8 000 pounds

112

00:11:19,720 --> 00:11:21,720

You do the math

113

00:11:22,040 --> 00:11:24,040

Well, there's the math and theory

114

00:11:24,760 --> 00:11:28,200

All right, here we go. And then there's the high velocity

115

00:11:28,440 --> 00:11:31,800

In three steel and bone crunching practice

116

00:11:33,080 --> 00:11:35,080

Adam and jaymie prefer the ladder

117

00:11:35,720 --> 00:11:37,720

One let's go

118

00:11:40,760 --> 00:11:45,480

That front bumper is terrifying. Let's see if I can give him a little work for it

119

00:11:47,960 --> 00:11:49,960

Wow, it's like hitting a rock

120

00:11:53,640 --> 00:11:55,640

That was an adrenaline rush

121

00:11:55,640 --> 00:12:00,920

Oh my god, this is fun. I'm giving it all I got come on

122

00:12:05,240 --> 00:12:07,240

He's barely budging

123

00:12:10,680 --> 00:12:16,840

That all you got it felt like it felt like a lion playing with its food most of the time

124

00:12:21,080 --> 00:12:24,360

There's some little car that was kind of banging on the side of this thing

125

00:12:25,880 --> 00:12:28,760

I've played with him for a little while and then I pushed him off the road

126

00:12:35,720 --> 00:12:38,840

The second jaymie got serious it was all over

127

00:12:39,880 --> 00:12:41,880

But that isn't going to stop adam

128

00:12:42,440 --> 00:12:45,160

In three we're gonna run this test one more time

129

00:12:45,960 --> 00:12:46,920

Go

130

00:12:46,920 --> 00:12:49,160

But I have one more trick up my sleeve

131

00:12:49,720 --> 00:12:54,040

It's a little something law enforcement officers like to call the pit maneuver

132

00:12:54,760 --> 00:12:56,760

Let's go a little faster. Shall we?

133

00:12:57,240 --> 00:13:01,560

When push comes to shove the larger vehicle is gonna win. Did you want something?

134

00:13:01,880 --> 00:13:07,240

But just like in martial arts the right amount of pressure applied in just the right place

135

00:13:08,040 --> 00:13:11,720

Can actually allow a smaller opponent to dominate a larger one

136

00:13:24,360 --> 00:13:27,640

Oh, why don't they use the pit maneuver more in the movies?

137

00:13:31,480 --> 00:13:33,480

Well, I gotta get there screen time somehow

138

00:13:34,600 --> 00:13:39,640

The pit maneuver is the final nail in the coffin by hanging back and nudging the rear

139

00:13:40,120 --> 00:13:42,600

Taking the target car out of action is simple

140

00:13:43,880 --> 00:13:51,320

So final analysis, how hard is it to run someone off the road with your car? It's not not at all

141

00:13:51,480 --> 00:13:57,800

Hollywood's been getting this totally wrong myth is busted, right? Yeah. All right. Let's get out of here. I'll see you back the shop. All right

142

00:14:10,520 --> 00:14:13,160

We are here at one of our favorite places the Alameda runway

143

00:14:13,880 --> 00:14:18,280

Be careful. I don't want to mess up this page of to test the wanted myth

144

00:14:19,240 --> 00:14:23,960

That you can actually drive a Mustang up a Corvette hood and use it like ramp

145

00:14:38,440 --> 00:14:40,440

Sorry

146

00:14:41,400 --> 00:14:43,400

Now

147

00:14:44,120 --> 00:14:46,280

Both of our bumper's heights are set

148

00:14:46,280 --> 00:14:50,840

We have the bumper height of the Corvette as if it was going to break and we have the bumper height of our

149

00:14:51,000 --> 00:14:54,360

Mustang as if it was accelerating now. It's time to set up our pulley system

150

00:14:55,640 --> 00:14:58,520

Now this pulley system is going to create the jump now

151

00:14:58,520 --> 00:15:02,520

You've seen us tow cars hundreds of times up and down this runway almost there

152

00:15:02,920 --> 00:15:09,800

What's unique about this particular tow system is that the cars are going to be traveling at two different speeds 500 feet right here

153

00:15:10,840 --> 00:15:12,840

It's good to see carry unwind

154

00:15:12,840 --> 00:15:17,880

Now how do you get two cars to meet up exactly in the same spot? Well, this is how we're going to do it

155

00:15:18,040 --> 00:15:21,960

We're going to get a guide cable the guide cable will be anchored with two trench plates

156

00:15:22,200 --> 00:15:25,560

Running the length of the runway then to get them to move

157

00:15:25,640 --> 00:15:30,040

We're going to have each of the cars on a tow cable now that tow cable will be hooked through

158

00:15:30,440 --> 00:15:35,960

Some snatch blocks in the center of our guide cable so that way when we start towing the vehicles

159

00:15:36,200 --> 00:15:38,520

They're actually going to meet up in the middle

160

00:15:38,680 --> 00:15:40,680

It sounds so simple

161

00:15:41,880 --> 00:15:43,880

Just spin them on wheels

162

00:15:43,960 --> 00:15:46,600

But in actual fact, it's a titanic task

163

00:15:47,080 --> 00:15:49,080

This just works itself out somehow

164

00:15:49,480 --> 00:15:53,080

With a thousand feet of cable and then a thousand feet more

165

00:15:54,200 --> 00:15:58,120

Hundreds and hundreds feet of cable just laying cable all day long

166

00:15:59,560 --> 00:16:05,880

It's a build that puts the heavy in heavy duty. I was thinking about getting my nipple pierced.
What do you think a little big?

167

00:16:06,280 --> 00:16:08,280

Two days into the build

168

00:16:09,240 --> 00:16:10,680

I'm almost there

169

00:16:10,680 --> 00:16:12,520

And the guys are close

170

00:16:12,520 --> 00:16:14,360

Yeah, teamwork

171

00:16:14,360 --> 00:16:17,320

Three days in and it's what we've all wanted

172

00:16:22,040 --> 00:16:25,640

A car crash rig that's ready to rock and roll

173

00:16:26,280 --> 00:16:28,280

All right, so we've got

174

00:16:28,360 --> 00:16:34,200

2400 pounds of pure american muscle car careening down the runway as fast as it can go

175

00:16:34,680 --> 00:16:40,200

Straight at a slope shaped sports car. That's 3300 pounds

176

00:16:40,200 --> 00:16:44,520

We're talking about a million joules of energy right there. What do I think's gonna happen?

177

00:16:45,160 --> 00:16:47,480

I've seen a car hit a k-rail and launch

178

00:16:49,240 --> 00:16:55,400

So a ramp shaped car we could get a perfect launch straight up into the air right into the san francisco bay

179

00:16:55,800 --> 00:16:57,800

At least that's what i'm hoping to see

180

00:16:57,960 --> 00:17:03,560

All right, this is using a car as a ramp. This is the point of no return hit it

181

00:17:04,920 --> 00:17:08,200

All right, Mustang is going Corvette is going

182

00:17:09,080 --> 00:17:12,040

Who wants to make a bet that the car is going through a fence today?

183

00:17:13,240 --> 00:17:18,520

If a car comes towards you run looking good. Mustang is accelerating. Here we go

184

00:17:19,560 --> 00:17:21,560

Okay looking good

185

00:17:21,560 --> 00:17:23,560

Pretty good Corvette's correcting

186

00:17:23,960 --> 00:17:25,960

Oh god

187

00:17:26,760 --> 00:17:29,480

No, no, no, no they missed

188

00:17:30,040 --> 00:17:32,040

Oh, no, oh no

189

00:17:32,200 --> 00:17:35,880

Damn it. Oh, we should have taken that bet. Oh god. No

190

00:17:36,600 --> 00:17:38,600

No

191

00:17:43,160 --> 00:17:47,640

Okay, well good news is I think we could still use these cars. Oh, that's the good news. Yeah

192

00:17:49,640 --> 00:17:57,080

Everything was working perfectly the tow system was working but Corvette decided to go far right it broke its guide cable

193

00:17:57,240 --> 00:18:02,360

The Mustang hit its mark but it kept going and as you can see it went through a fence

194

00:18:04,600 --> 00:18:08,760

I have no idea why this went wrong. It's myth busters. We got to reset and try it again

195

00:18:09,880 --> 00:18:15,560

Yep far from the pinpoint crash they were after the two cars missed by over 50 feet

196

00:18:16,600 --> 00:18:19,320

But with both vehicles comparatively undamaged

197

00:18:20,120 --> 00:18:24,120

This ought to buff right out the guys tow them back to the start line

198

00:18:25,080 --> 00:18:27,080

Another day another fence

199

00:18:27,800 --> 00:18:29,800

rejig the rig

200

00:18:30,200 --> 00:18:35,960

Make the guide cable more able and before you know it full car service here myth buster

201

00:18:37,560 --> 00:18:39,560

They're good for take two

202

00:18:39,640 --> 00:18:47,000

All right, we've got our jump car ready. We've got our ramp car ready. Let's tow this beast in three two one go

203

00:18:49,400 --> 00:18:51,480

Rolling both cars rolling rolling

204

00:18:52,440 --> 00:18:57,320

Come on, baby. Go go go faster go faster go faster

205

00:18:58,520 --> 00:19:01,960

Okay, everything looks good on target. Oh god faster

206

00:19:04,040 --> 00:19:06,760

Oh god, is this happening? Is this actually gonna happen?

207

00:19:15,080 --> 00:19:17,080

Haha

208

00:19:21,480 --> 00:19:23,560

That was perfect that was a crash

209

00:19:28,600 --> 00:19:30,600

And it didn't jump back in the air

210

00:19:32,920 --> 00:19:34,920

It's busted totally busted

211

00:19:36,680 --> 00:19:42,280

Ouch, although the Mustang did gain some lift the mods to the cars hood heights

212

00:19:45,480 --> 00:19:47,880

Were clearly not enough to mirror the movie

213

00:19:51,720 --> 00:19:57,960

Coming up on myth busters

214

00:19:59,480 --> 00:20:03,960

Adam and Jamie take it to the edge to tackle a two-wheel tall tail

215

00:20:05,560 --> 00:20:12,440

And the movie may be busted, but for Carrie grantentory the motoring mayhem is about to really take off

216

00:20:21,480 --> 00:20:29,800

While our first story involved something that hollywood makes look difficult, but which is in fact easy

217

00:20:29,880 --> 00:20:32,120

Our second story might be the other way around

218

00:20:34,200 --> 00:20:37,960

Genuinely excited about today try not to roll the car go on

219

00:20:38,280 --> 00:20:44,120

Picture our hero being chased by the bad guys and cornered with no line of escape except an alleyway

220

00:20:44,360 --> 00:20:47,080

That is too narrow to fit the hero's car

221

00:20:47,800 --> 00:20:49,800

I'm okay

222

00:20:49,960 --> 00:20:55,240

He gets out by finding a conveniently placed curb or plank that allows him to get up onto two wheels

223

00:20:55,560 --> 00:21:02,200

Drive down the narrow alleyway to escape and the bad guys can't follow that actually sounds like it might be pretty difficult

224

00:21:02,280 --> 00:21:04,280

That's what I was thinking. So

225

00:21:04,760 --> 00:21:06,760

Roll cage runway

226

00:21:06,760 --> 00:21:08,520

action

227

00:21:08,520 --> 00:21:15,960

So can a novice driver get up on two wheels and crucially maintain balance as easily as hollywood would have his belief

228

00:21:17,480 --> 00:21:23,560

Or is it a disaster waiting to happen the most important component of this myth is the car

229

00:21:25,560 --> 00:21:29,080

And so we've got a normal car with normal tires and a normal suspension

230

00:21:29,480 --> 00:21:31,320

Of course, we've added a safety harness though

231

00:21:31,480 --> 00:21:34,680

The other important part of this story is how to get the car up on two wheels

232

00:21:34,680 --> 00:21:39,720

And we're going to do that with this a ramp made out of aircraft-grade aluminum and it's solid as a rock

233

00:21:39,960 --> 00:21:44,120

Hopefully everything goes right. We could be hitting it at about 20 miles an hour. Okay

234

00:21:44,120 --> 00:21:50,680

Now because there's a genuine risk that we might tip this car completely over we've added a roll bar

235

00:21:51,320 --> 00:21:54,600

I personally think it'd be great to roll it, but they tell me that's bad

236

00:21:57,320 --> 00:21:59,320

That looks beautiful

237

00:21:59,880 --> 00:22:05,000

In tinsel town any old curb or plank will enable two wheel gymnastics

238

00:22:05,800 --> 00:22:07,800

absolutely perfect

239

00:22:07,800 --> 00:22:13,240

But adam and jayne have given the myth its best possible shot with a long gently sloping ramp

240

00:22:13,480 --> 00:22:16,280

High enough to tip the car over its center of gravity

241

00:22:17,240 --> 00:22:21,320

And with one more look from the top of the ramp. This is terrifying

242

00:22:21,880 --> 00:22:26,520

First timer jayne is about to flirt with a serious car accident. Come on in

243

00:22:28,680 --> 00:22:32,200

His aim is to literally teeter on the edge of disaster

244

00:22:39,640 --> 00:22:41,640

Awesome, I tell you what

245

00:22:43,480 --> 00:22:46,680

That right there is something you don't want to think too much about because

246

00:22:47,880 --> 00:22:49,880

If you think about it

247

00:22:50,040 --> 00:22:52,040

You ain't gonna do it

248

00:22:52,280 --> 00:22:55,080

Fear factor aside the result is pretty clear

249

00:22:58,440 --> 00:23:00,040

Yeah

250

00:23:00,040 --> 00:23:07,080

Jamie may be excited, but he's nowhere near replicating the first time ease and control of the novice movie maneuver

251

00:23:08,200 --> 00:23:12,840

It's not until his final attempt that he even gets it up in a wild careening curve

252

00:23:13,400 --> 00:23:15,400

Oh

253

00:23:20,760 --> 00:23:27,400

I should reiterate that this myth is that it's easy to get a car up on two wheels and drive it around that was cool

254

00:23:28,520 --> 00:23:31,080

Now granted I did get the car up for a little bit

255

00:23:31,560 --> 00:23:36,920

But getting complete control and driving it wherever you want is a whole different kettle of fish

256

00:23:37,560 --> 00:23:39,560

Can I try? Oh, yeah

257

00:23:40,120 --> 00:23:42,120

Let me out

258

00:23:43,320 --> 00:23:46,360

And I know if I keep pushing it the way that I have been

259

00:23:47,720 --> 00:23:49,720

I'm gonna roll the car. I just know it

260

00:23:51,480 --> 00:23:53,480

Well, here goes nothing

261

00:23:55,000 --> 00:23:57,000

So

262

00:23:57,080 --> 00:24:00,840

You're a halfway off can adam tip this myth in the right direction

263

00:24:02,680 --> 00:24:04,680

Straight up seriously

264

00:24:06,360 --> 00:24:08,360

Crap or onto its rhythm

265

00:24:13,880 --> 00:24:17,640

Adam rolled up the ramp straight off it and gravity did its thing

266

00:24:19,320 --> 00:24:24,680

That crazy intense the first time you hit the ramp is completely intense

267

00:24:29,160 --> 00:24:35,960

It's very disconcerting going again. So disconcerting that I like turn the wheel like this and plan to the ground

268

00:24:44,200 --> 00:24:48,200

I planned into the ground kind of bump my head. Well, don't do that

269

00:24:50,280 --> 00:24:52,280

While they make it look easy on the movies

270

00:24:53,880 --> 00:24:56,680

Clearly it's going to take more than a few hours to get this down

271

00:24:59,480 --> 00:25:01,960

Frankly, I think we need a little help

272

00:25:02,520 --> 00:25:09,160

Q stunt driving legend james smith because to find out if a near novice could master this movie move

273

00:25:09,560 --> 00:25:12,680

Adam and jayne need a few top two-wheeled tips

274

00:25:13,240 --> 00:25:15,240

Oh

275

00:25:16,920 --> 00:25:18,920

Wow

276

00:25:33,320 --> 00:25:36,920

Well that didn't work at all that was more of a crash than it was a jump

277

00:25:37,160 --> 00:25:40,920

Yeah, but the Mustang started to ride up the corvette like it was a ramp

278

00:25:40,920 --> 00:25:43,880

I really thought it was going to work for just like this long

279

00:25:44,520 --> 00:25:46,520

All right. Well, then why don't we give this myth some advantages

280

00:25:46,520 --> 00:25:52,280

What if we lower the ramp car even more and we take the jump car and increase the height of its

bumper?

281

00:25:52,360 --> 00:25:55,240

Maybe we can get a jump then. Yeah, you know what? It's worth a shot

282

00:25:55,320 --> 00:26:00,840

This is going to be the best car crashing episode ever or jumping. Yeah, or jumping

283

00:26:01,080 --> 00:26:03,080

So

284

00:26:08,760 --> 00:26:13,560

We're back at the Alameda runway to test our wanted car jump myth now back at the shop

285

00:26:13,960 --> 00:26:16,520

We took a corvette and we cut out the suspension

286

00:26:17,720 --> 00:26:23,560

And we put super skinny tires on it to get it as low as possible. All right

287

00:26:24,920 --> 00:26:26,920

That's what I call low

288

00:26:27,320 --> 00:26:30,040

Got the same tow rig the same guide system

289

00:26:30,280 --> 00:26:35,240

We're going to set up the same as before and hopefully this time will actually get a jump

290

00:26:35,880 --> 00:26:41,000

Not only are we going to make the corvette more ramp like but we're also going to help along the Mustang

291

00:26:41,160 --> 00:26:45,400

We made it a lot lighter. It does not even have the weight of the engine in it anymore

292

00:26:45,560 --> 00:26:52,440

So the front end is way jacked up. I have a feeling when these two meet we might see some movie results

293

00:26:52,520 --> 00:26:56,120

We might actually see this car jump that car

294

00:26:57,560 --> 00:26:59,560

So

295

00:27:01,160 --> 00:27:03,160

All right, this is test two enhanced vehicles

296

00:27:05,480 --> 00:27:09,000

To see if we can replicate the results everyone ready. Oh, yeah

297

00:27:09,800 --> 00:27:11,160

in three

298

00:27:11,160 --> 00:27:12,200

two

299

00:27:12,200 --> 00:27:13,160

one

300

00:27:13,160 --> 00:27:14,680

hit it

301

00:27:14,680 --> 00:27:16,120

Corvettes moving

302

00:27:16,120 --> 00:27:20,280

Mustangs moving looking good so far everything looks like it's online

303

00:27:21,720 --> 00:27:23,720

Everything doing oh gosh

304

00:27:24,040 --> 00:27:29,320

Yeah, that's good. It's okay. It's good. It's good. Look at how fast the mugs are going

305

00:27:41,480 --> 00:27:47,800

That's a head-on collision that's worth seeing again and again and again

306

00:27:48,040 --> 00:27:54,120

This test could not have gone any better. I mean it was pretty much a perfect test

307

00:27:54,200 --> 00:27:58,360

We got the vehicles going at the speeds from the movie. They crashed exactly like the movie

308

00:27:58,600 --> 00:28:02,840

We even got the Mustang to do a barrel roll. However, it's still busted

309

00:28:04,040 --> 00:28:06,040

But man that was awesome

310

00:28:10,040 --> 00:28:12,040

I think the problem is this is like

311

00:28:12,600 --> 00:28:19,480

Driving up a ramp but hitting the curb first because you still have to get over that sort of initial bump in front of the Corvette

312

00:28:19,960 --> 00:28:24,040

Not quite ramp like just yet. I have a feeling we can remedy that

313

00:28:28,280 --> 00:28:32,360

Yep, you might say it's time to ramp it up

314

00:28:37,320 --> 00:28:41,480

Do not try what you are about to see at home or what you call experts

315

00:28:43,000 --> 00:28:47,640

After both tests we're having the same problem

316

00:28:47,800 --> 00:28:53,080

We're getting more of a crash and less of a jump like in the movie and the reason why is because when the two vehicles meet

317

00:28:53,560 --> 00:28:59,240

Their bumpers meet before the wheel of the jump vehicle has a chance to get up onto the hood of the ramp vehicle

318

00:28:59,240 --> 00:29:01,240

So we're getting more of a crash less of a jump

319

00:29:02,840 --> 00:29:04,920

Now the way we're going to fix that is with this

320

00:29:05,400 --> 00:29:09,720

We're going to build a ramp and the ramp is going to actually attach to the ramp vehicle

321

00:29:09,960 --> 00:29:15,720

And it will move towards the jump vehicle. This way the jump vehicle will have a chance to transition its wheels

322

00:29:16,040 --> 00:29:19,720

Up onto the hood and we'll see if we'll get the car to jump like in the movie

323

00:29:24,040 --> 00:29:28,200

And with a third and final Corvette it's too bad we got to wreck this one too

324

00:29:29,000 --> 00:29:31,480

It's time to ramp up the up ramp

325

00:29:32,920 --> 00:29:36,440

What i'm doing right now is laying down steel sheet. It's eighth inch thick

326

00:29:36,600 --> 00:29:41,240

I'm going to weld that to the frame of the Corvette. Want to know how to f*** car enthusiasts?

327

00:29:44,600 --> 00:29:45,640

Oops

328

00:29:45,640 --> 00:29:48,840

This is going to help take up the weight of the other car

329

00:29:49,000 --> 00:29:54,040

I'm also reinforcing the entire ramp with two inch square steel tube

330

00:29:54,520 --> 00:29:59,240

And that's going to make sure that our ramp doesn't just collapse once the other car hits it

331

00:30:00,040 --> 00:30:04,120

That seems sturdy enough if that happens all we're going to get is a head on collision

332

00:30:06,440 --> 00:30:15,080

So we're back at the runway at Alameda to try and see if we can turn a Corvette into a ramp

333

00:30:17,720 --> 00:30:19,720

You guys ready to see a car fly?

334

00:30:21,000 --> 00:30:22,280

This is going to be awesome

335

00:30:22,280 --> 00:30:26,600

So we've got the exact same setup as before with the two cars being towed at each other

336

00:30:26,840 --> 00:30:31,480

The only difference this time is that the ramp car can't go as fast as it did before

337

00:30:32,120 --> 00:30:33,080

There we go

338

00:30:33,080 --> 00:30:37,640

The reason is that it's got a ramp attached to it that's scraping the ground

339

00:30:38,280 --> 00:30:39,640

Let's see if this works

340

00:30:39,640 --> 00:30:43,720

I don't know about you, but I'm ready to see a car using another car as a ramp

341

00:30:43,960 --> 00:30:49,160

Well, I think we've done everything we possibly could to make this happen. I got a really good feeling about this

342

00:30:50,920 --> 00:30:54,760

At this point, we're taking this myth to the extremely ridiculous

343

00:30:55,400 --> 00:30:58,280

And even adding a ramp to the front of the Corvette

344

00:30:59,160 --> 00:31:01,160

Okay, take it away when you're ready

345

00:31:02,120 --> 00:31:05,240

I still don't think we're going to get the same outcome as the movie

346

00:31:05,640 --> 00:31:10,200

I I just think that the Corvette doesn't have the structural integrity to take the weight of the Mustang

347

00:31:11,080 --> 00:31:12,760

Ramp is moving

348

00:31:12,760 --> 00:31:14,760

The Mustang is moving

349

00:31:15,400 --> 00:31:17,640

The Mustang looks like it's coming straight for us

350

00:31:19,320 --> 00:31:21,320

Is that is that an optical illusion?

351

00:31:22,040 --> 00:31:24,040

Let's see if it strains out. No

352

00:31:24,120 --> 00:31:26,120

Oh

353

00:31:26,360 --> 00:31:31,240

Ramps over there the Mustangs in the weeds. This is clearly a recent

354

00:31:33,000 --> 00:31:35,000

But after this much practice

355

00:31:36,440 --> 00:31:37,800

That's it

356

00:31:37,800 --> 00:31:42,920

We're ready that barely takes no time at all. All right. Hopefully this time it goes straight

357

00:31:44,440 --> 00:31:50,120

And with the rig rejigged take it away the team gives this movie myth one last chance

358

00:31:50,840 --> 00:31:55,320

Guys moving okay, my stank's moving. It's really straight. Yeah, it's going better

359

00:31:55,720 --> 00:32:01,880

You can get speed. Here we go. Go faster. Go faster. Go faster. Oh, here we go. It's happening

360

00:32:02,040 --> 00:32:04,040

Oh

361

00:32:16,200 --> 00:32:20,200

All right, it didn't land and drive off a damage, but it soared

362

00:32:21,080 --> 00:32:24,840

I mean, it's still busted, but that was amazing. Yes

363

00:32:26,360 --> 00:32:28,440

God oh moly that was cool

364

00:32:32,040 --> 00:32:48,120

We did it we finally got the car to soar. Yeah, we might have cheated quite a bit by adding the ramp

365

00:32:48,200 --> 00:32:50,280

But you can see where the wheel went up the ramp

366

00:32:51,000 --> 00:32:54,120

Now there's no word head on collision gouge into the hood

367

00:32:54,760 --> 00:32:58,680

The wheel went over the windshield the car flew it did a barrel roll

368

00:32:59,640 --> 00:33:04,440

Just like in the movie. However, what you didn't see in the movie is the damaged ramp car

369

00:33:05,880 --> 00:33:07,880

And the jump car is upside down

370

00:33:09,080 --> 00:33:14,440

Completely totaled this one's still busted, but man that was awesome

371

00:33:16,200 --> 00:33:19,960

While the ramp did let the Mustang bridge the gap onto the Corvette's hood

372

00:33:22,040 --> 00:33:24,040

Neither car escaped unscathed

373

00:33:25,000 --> 00:33:28,760

Meaning even with the ramp up this myth is going down

374

00:33:29,960 --> 00:33:32,440

Look, she's still rolling. We got a ride home

375

00:33:33,080 --> 00:33:38,200

Awesome. Finally. I think this is the first. Okay, five bucks says we're gonna crash through the gate

376

00:33:47,320 --> 00:33:49,320

Look deep into my eyes

377

00:33:49,800 --> 00:33:53,880

What does this pendulum have to do with today's story? Actually everything watch this

378

00:33:54,120 --> 00:33:59,000

Now it's an upside down pendulum or as an engineer would refer to it a reverse pendulum

379

00:33:59,160 --> 00:34:03,160

Which is exactly what our car will be if we successfully get it up on two wheels

380

00:34:03,240 --> 00:34:07,160

That is a center of gravity that's high and a pivot point. That's low

381

00:34:07,640 --> 00:34:12,760

There are entire circus arts devoted to finding the balance point in a reverse pendulum arrangement

382

00:34:12,840 --> 00:34:18,440

And I have studied a few look ma one hand. That's why I think I'm going to do really well at today's test

383

00:34:20,040 --> 00:34:22,040

I'm okay

384

00:34:24,120 --> 00:34:33,800

So far adam and jamie have failed to pull out the supposedly simple two-wheeled movie maneuver

385

00:34:36,040 --> 00:34:38,040

This is terrifying

386

00:34:38,200 --> 00:34:41,400

But to give them if a chance they've called in the cavalry

387

00:34:42,680 --> 00:34:47,080

A word about our stunt driver today james smith. He has been doing this for 10 years

388

00:34:47,800 --> 00:34:49,800

Oh

389

00:34:50,200 --> 00:34:51,240

Wow

390

00:34:51,240 --> 00:34:54,040

Does it for television movies even live shows?

391

00:34:54,600 --> 00:34:58,600

So is it a little steeper than you expected and you might know his work from the transformer films

392

00:34:59,000 --> 00:35:01,000

Where he's driven for the bumblebee

393

00:35:01,000 --> 00:35:04,040

We're near at the balance point, but this gives you an idea of where you can actually take a car

394

00:35:04,440 --> 00:35:08,840

Yeah, if anyone can teach jane and I how to get up on two wheels, it's him

395

00:35:10,520 --> 00:35:13,960

It seems like you're about ready to go over. I guess you are

396

00:35:14,840 --> 00:35:17,880

Pretty close now just speed up and I'll drop it down like that

397

00:35:22,200 --> 00:35:24,200

That's just that's just wrong

398

00:35:27,880 --> 00:35:29,880

That's that's nuts

399

00:35:30,680 --> 00:35:35,800

Getting it up there. It seems sort of like a tight rope

400

00:35:36,760 --> 00:35:38,760

Oh

401

00:35:39,160 --> 00:35:40,600

Holy crap

402

00:35:40,600 --> 00:35:47,080

Wow, it feels like we're completely out of control. He's taking the wheel and he's just kind of feathering it back and forth and

403

00:35:48,040 --> 00:35:52,760

It it just seems like you're about ready to roll right over. I cannot believe this is possible

404

00:35:53,320 --> 00:35:55,320

It's crazy

405

00:35:56,840 --> 00:36:02,920

Wow, this is completely intense. I can reach out and touch the ground from here to turn around to the right

406

00:36:03,880 --> 00:36:05,880

Oh my gosh

407

00:36:06,280 --> 00:36:10,600

And then with this wind I gotta I gotta lean it even harder with the wind. Oh my god, you're gonna scrape the mirror. That's insane

408

00:36:14,280 --> 00:36:16,280

That's the show

409

00:36:16,280 --> 00:36:18,280

So you're ready to do this? No

410

00:36:18,440 --> 00:36:20,440

All right, well, let's do it anyway

411

00:36:20,440 --> 00:36:25,560

How to tell if this silver screen stunt is even remotely possible for a pair of

412

00:36:26,200 --> 00:36:29,880

Non-professionals I prefer just to like do a circle and just kind of roll in at 20 miles an hour

413

00:36:29,880 --> 00:36:35,880

Just and it gives you a lot kind of chance to breathe. Okay. This is literally where the rubber leaves the road

414

00:36:37,240 --> 00:36:43,240

With some basic instruction under his belt to match the movies. Jamie has to nail this first time out

415

00:36:51,160 --> 00:36:53,160

There you go

416

00:36:53,720 --> 00:36:59,480

Uh hit my head hard. Uh, yeah, but all Jamie nailed was his head

417

00:37:00,840 --> 00:37:02,840

I got your hat Jamie

418

00:37:02,920 --> 00:37:07,240

On the verge of rolling Jamie yanked back from the edge of disaster too fast

419

00:37:10,840 --> 00:37:12,840

And landed violently

420

00:37:14,200 --> 00:37:17,320

It's very telling if I do something that throws my hat off

421

00:37:17,640 --> 00:37:26,360

Is beret bailed because Jamie incurred a serious with rash injury in pain and a danger of causing lasting damage

422

00:37:27,720 --> 00:37:33,720

He takes the safe option. I think I should probably stand down, you know, repeating injuries and all that. Okay

423

00:37:34,440 --> 00:37:36,440

As much as it irks me

424

00:37:36,440 --> 00:37:41,560

I just want to point out here that for Jamie to actually pull out of this experiment because of an injury

425

00:37:42,280 --> 00:37:44,280

is pretty significant and relatively

426

00:37:44,680 --> 00:37:48,520

Unprecedented and if further proof was needed here we go

427

00:37:50,040 --> 00:37:53,080

That this is not an achievable amateur maneuver

428

00:37:56,680 --> 00:38:01,480

Go a little faster than the rear wheel won't bump the ramp adam spends the next four hours

429

00:38:02,120 --> 00:38:05,960

Keep doing that and just roll a little bit more failing to get it up

430

00:38:06,280 --> 00:38:15,640

What makes this stunt so difficult is that while you can work your way up incrementally to find the tipping point

431

00:38:19,400 --> 00:38:22,040

Once you get there well, it's a tipping point

432

00:38:23,560 --> 00:38:28,120

You felt the danger and you reacted that's awesome. And if you go too far you roll the car

433

00:38:28,760 --> 00:38:30,760

Yeah

434

00:38:32,360 --> 00:38:37,000

If you don't go far enough you come slamming back down and you get a neck ache like I've got

435

00:38:41,000 --> 00:38:46,120

So the only way you get past this is by doing it over and over until your reflexes become

436

00:38:46,520 --> 00:38:53,000

Automatic as to what you should do when you're at that tipping point. Yep. Keep into it. There you go. There you go. There you go.

437

00:38:53,640 --> 00:38:55,640

You gotta get a little throttle

438

00:38:58,440 --> 00:39:06,760

Woo. Yeah, that's awesome. At last adam appears to have the hang of hanging around on two wheels

439

00:39:13,640 --> 00:39:18,840

And being the obsessive perfectionist that he is he has to have just one more try

440

00:39:28,120 --> 00:39:30,120

Oh

441

00:39:37,560 --> 00:39:40,040

Dave the medic please come down to the site

442

00:39:42,440 --> 00:39:45,080

We are okay. We're okay. We're upside down, but we're okay

443

00:39:46,200 --> 00:39:50,600

Oh, okay, so I figured out what the outer limit was

444

00:39:51,960 --> 00:39:54,600

Don't release your belt until you're ready because you'll fall. Yeah

445

00:39:55,400 --> 00:39:58,760

All right, we're coming out

446

00:40:06,520 --> 00:40:08,520

Like giving birth

447

00:40:09,720 --> 00:40:13,160

Hey, this is why we can't have nice things

448

00:40:17,640 --> 00:40:19,640

So that happened

449

00:40:19,880 --> 00:40:26,040

I'm still a little bit high on the adrenaline rush of the feeling like it's going okay. It's going okay. Okay. It's not going okay

450

00:40:26,040 --> 00:40:28,040

Okay, it's really not going okay

451

00:40:29,800 --> 00:40:33,080

And I got a little bit of a cut, but I'm fine. That was awesome

452

00:40:37,480 --> 00:40:39,480

That was awesome. Thank you sir

453

00:40:42,920 --> 00:40:46,200

Well, if it's worth doing it's worth overdoing

454

00:40:46,440 --> 00:40:53,640

So we got to call it driving on two wheels is easy according to the movies. Where do we stand?

455

00:40:54,120 --> 00:40:59,320

Not nah, this one's totally busted. It's hard. It's also fun, but you know

456

00:41:00,040 --> 00:41:05,240

It's dangerous and to get to where you're any good and reliable at it. It's one whole heck of a lot of work

457

00:41:05,640 --> 00:41:07,640

Yeah, only in the hands of experts

458

00:41:10,760 --> 00:41:13,480

Well looks like we're walking I guess so

459

00:41:16,200 --> 00:41:20,040

He's amazing. He's great as an arrow